

Message

From: Richardson, William [Richardson.William@epa.gov]
Sent: 9/8/2021 1:01:45 PM
To: Maslowski, Steven [Maslowski.Steven@epa.gov]
Subject: RE: Sediment Vs. TSS

With all of the CSO cases that you have been the lead for you should have all the credibility you need!

Bill Richardson (he/him)
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From: Maslowski, Steven <Maslowski.Steven@epa.gov>
Sent: Tuesday, September 07, 2021 4:17 PM
To: Richardson, William <Richardson.William@epa.gov>
Subject: RE: Sediment Vs. TSS

Bill,

Thank you for the email. I told my DOJ the same thing, but they wanted the same answer from you. You have credibility. Also, this DOJ attorney has no clue in what she is talking about and myself and the DEP guy have spent a lot of time educating her.

Steve Maslowski
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From: Richardson, William <Richardson.William@epa.gov>
Sent: Tuesday, September 07, 2021 4:01 PM
To: Maslowski, Steven <Maslowski.Steven@epa.gov>
Subject: RE: Sediment Vs. TSS

TSS is a simple laboratory measurement that can be included in a permit or CD as an end of pipe measurement. If sediment was included as a monitoring parameter upstream sources of sediment would make it difficult to measure compliance.

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From: Maslowski, Steven <Maslowski.Steven@epa.gov>
Sent: Wednesday, September 01, 2021 3:37 PM
To: Richardson, William <Richardson.William@epa.gov>
Subject: RE: Sediment Vs. TSS

Bill,

My DOJ attorney wants to know why the TSS parameter is so important versus sediments. I told her that TSS is one of the most common CSO overflow parameters and that it is primary organics in the water column that does not necessarily settle out as it moves down stream. As where sediments is a primary a stormwater pollution parameter and is inorganic. Also, sediments tend to settle out and float to the bottom of the stream.

Is there anything else that I need to add about why TSS is important?

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From: Richardson, William <Richardson.William@epa.gov>
Sent: Tuesday, August 31, 2021 4:42 PM
To: Maslowski, Steven <Maslowski.Steven@epa.gov>
Subject: RE: Sediment Vs. TSS

Sediment and TSS are related but different. In my mind sediment is any material that accumulates on a stream bottom and is normally sand, gravel and silt. States like PA will list streams as impaired due to siltation when there are excess streambed sediments (like Paxton). TSS is a measure of any solids that are suspended in the water column which can include sand, silt, leaves, algae and other solid junk like pieces of toilet paper and organic matter. Normally waters that have high TSS (usually during wet weather) will have siltation issues when the TSS settles out.

How does Capital Region Water propose to monitor sediment in their LTCP? I would think that TSS is the most straight forward way to evaluate solids coming from a WWTP or CSO. My guess is they want to use sediment as the pollutant to then say the sedimentation issues are occurring in the receiving waters due to upstream stormwater sources and it is not their fault. Upstream MS4s are likely a big source of siltation but I don't see how Capital Water is not contributing to the problem with TSS in their discharge. Also if there is a TSS WLA for them in the Bay TMDL I don't see anyway around it.

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From: Maslowski, Steven <Maslowski.Steven@epa.gov>
Sent: Tuesday, August 31, 2021 11:40 AM
To: Richardson, William <Richardson.William@epa.gov>
Subject: Sediment Vs. TSS

Bill,

Can you tell me what is the difference between sediment and TSS measurement. Capital Region Water, Harrisburg is using sediment as a pollutant of concern in its LTCP, but they do not want to use TSS. There is a TMDL for the Paxton Creek, which flows into the Susquehanna River for sediment. Also, there is a WLA for TSS in the Chesapeake Bay TMDL for Harrisburg's CSOs. Can you please provide more detail on the difference between the two.

I appreciate your assistance.

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